

# Appendix D

---

## Glossary

The following is a listing of abbreviations for organization names and technical terms used in this plan:

AAA	American Automobile Association
AC	Advisory Circular
ADAM	Airport Datum Monument Program
ADF	Automatic Direction Finder
ADS	Automatic Dependent Surveillance
ADVANCE	Advanced Driver and Vehicle Advisory Navigation Concept
AFFSA	Air Force Flight Standards Agency
AFSPACECOM	Air Force Space Command
AGL	Above Ground Level
AIRSAR	Airborne Synthetic Aperture Radar
APTS	Advanced Public Transportation System
ARPA	Automatic Radar Plotting Aid
ARQ	Automatic Request/Reply
ARTCC	Air Route Traffic Control Center
ARTS	Advanced Rural Transportation System

ASOS	Automated Surface Observing System
ATC	Air Traffic Control
ATIS	Advanced Traveler Information System
ATMS	Advanced Traffic Management System
ATMSMN	Air Traffic Management System Material Need
AVC	Automatic Vehicle Classification
AVCS	Advanced Vehicle Control System
AVI	Automatic Vehicle Identification
AVL	Automatic Vehicle Location
AVM	Automatic Vehicle Monitoring
AWN	Automatic Weather Network
AWOS	Automated Weather Observing System
BTS	Bureau of Transportation Statistics
C/A	Coarse/Acquisition
CCW	Coded Continuous Wave
CCZ	Coastal Confluence Zone
CDI	Course Deviation Indicator
CEP	Circular Error Probable
CGS	Civil GPS Service
CIA	Central Intelligence Agency
CIS	Commonwealth of Independent States
CJCS	Chairman, Joint Chiefs of Staff
cm	Centimeter
CNI/NAV	Communications, Navigation & Identification/ Navigation
CNS	Communication, Navigation and Surveillance

CNS/ATM	Communication, Navigation and Surveillance/Air Traffic Maintenance
CONUS	Continental United States
CORS	Continuously Operated Reference Sites
CS	Control Segment
CSE	Course Selection Error
CVO	Commercial Vehicle Operations
CW	Continuous Wave
DART	Dallas Rapid Transit District
DEM	Digital Elevation Model
DGPS	Differential Global Positioning System
DH	Decision Height
DIA	Defense Intelligence Agency
DMA	Defense Mapping Agency
DME	Distance Measuring Equipment
DME/P	Precision Distance Measuring Equipment
DOC	Department of Commerce
DOD	Department of Defense
DOE	Department of Energy
DOI	Department of the Interior
DOP	Dilution of Precision
DOS	Department of State
DOT	Department of Transportation
DR	Dead Reckoning
drms	Distance Root Mean Squared
DSARC	Defense System Acquisition Review Council
DSN	Deep Space Network

DT&E	Development Test & Evaluation
ECBF	Earth Centered Body Fixed
ECCM	Electronic Counter-Countermeasures
ECD	Envelope-to-Cycle Discrepancy
ECDIS	Electronic Chart Display Information System
ECEF	Earth Centered Earth Fixed
EHF	Extremely High Frequency
EMI	Electromagnetic Interference
EMP	Electromagnetic Pulse
EOS	Earth Observing System
EUVE	Extreme Ultraviolet Explorer
FAA	Federal Aviation Administration
FAATC	Federal Aviation Administration Technical Center
FAF	Final Approach Fix
FANS	Future Air Navigation System
FAR	Federal Aviation Regulation
FCC	Federal Communications Commission
FGDC	Federal Geographic Data Committee
FHWA	Federal Highway Administration
FL	Flight Level
FLIP	Flight Information Publication
FM	Frequency Modulation
FMS	Flight Management System
FOC	Full Operational Capability
FRA	Federal Railroad Administration
FRP	Federal Radionavigation Plan
FSD	Full-Scale Development

FSS	Flight Service Station
FTA	Federal Transit Authority
FTE	Flight Technical Error
FTMI	Flight Operations and Air Traffic Management Integration
GA	General Aviation
GBF/DIME	Geographic Base File/Dual Independent Map Encoding
GCA	Ground Control Approach
GDOP	Geometric Dilution of Precision
GEO	Geostationary Earth Orbit
GES	Ground Earth Station
GHz	Gigahertz
GIB	GPS Integrity Broadcast
GLONASS	Global Navigation Satellite System (CIS system)
GM	General Motors
GNSS	Global Navigation Satellite System
GPS	Global Positioning System
GPSIC	GPS Information Center
GSFC	Goddard Space Flight Center
GSTDN	Ground Satellite Tracking and Data Network
HAT	Height Above Touchdown
HDOP	Horizontal Dilution of Precision
HF	High Frequency
HHA	Harbor/Harbor Approach
HHE	Harbor/Harbor Entrance Area
HOV	High-Occupancy Vehicle

HSI	Horizontal Situation Indicator
Hz	Hertz (cycles per second)
IALA	International Association of Lighthouse Authorities
IAP	Improved Accuracy Program
ICAO	International Civil Aviation Organization
ICNS	Integrated Communication, Navigation and Surveillance
IF	Intermediate Fix
IFR	Instrument Flight Rules
IGS	International GPS Service
ILS	Instrument Landing System
IMO	International Maritime Organization
INMARSAT	International Maritime Satellite Organization
INS	Inertial Navigation System
IOC	Initial Operational Capability
IOD	Issue of Data
IOTC	International Omega Technical Commission
IOT&E	Initial Operational Test & Evaluation
IRAC	Interdepartment Radio Advisory Committee
IRAC/SPS	IRAC Spectrum Planning Subcommittee
IRAC/SSG	IRAC Space Systems Group
ISS	International Space Station
ITS	Intelligent Transportation Systems
ITS-JPO	Intelligent Transportation Systems Joint Program Office
ITU	International Telecommunications Union
IVS	International VLBI Satellite
JCS	Joint Chiefs of Staff

JPO	Joint Program Office
JTIDS	Joint Tactical Information Distribution System
JTMLS	Joint Tactical Microwave Landing System
kHz	Kilohertz
km	Kilometer
LADGPS	Local Area Differential GPS
LF	Low Frequency
LOFF	Loran Flight Following
LOP	Line of Position
Loran	Long-Range Navigation
MAP	Missed Approach Point
MARAD	Maritime Administration
MASPS	Minimum Aviation System Performance Standards
MEP	Midcontinent Expansion Plan
MCS	Master Control Station
MCW	Modulated Carrier Wave
MDA	Minimum Descent Altitude
MF	Medium Frequency
MHz	Megahertz
MIJI	Meaconing, Interference, Jamming, and Intrusion
MLS	Microwave Landing System
mm	Millimeters
MNP	Master Navigation Plan
MNPS	Minimum Navigational Performance Specifications
MOA	Memorandum of Agreement
MOPS	Minimum Operational Performance Standard
MPA/TAC	Maritime Patrol Aircraft/Tactical Support Center

MSK	Minimum Shift Keying
MSS	Mobile Satellite Service
MTA	Mass Transit Administration
MTBF	Mean Time Between Failures
MTTR	Mean Time to Repair
NAD	North American Datum
NAG	Naval Astronautics Group
NANU	Notice Advisories to Navstar Users
NAS	National Airspace System
NASA	National Aeronautics and Space Administration
NASAO	National Association of State Aviation Officials
NASPALS	NAS Precision Approach and Landing System
NATCOM	National Communications Center
NATO	North Atlantic Treaty Organization
NAVCEN	U.S. Coast Guard Navigation Center
NAVD	North American Vertical Datum
NCA	National Command Authority
NCD	Nautical Charting Division
NDB	Nondirectional Beacon
NGS	National Geodetic Survey
NGVD	National Geodetic Vertical Datum
NHTSA	National Highway Traffic Safety Administration
nm	Nautical Mile
NNSS	Navy Navigation Satellite System (Transit)
NOAA	National Oceanic and Atmospheric Administration
NOS	National Ocean Service
NOTAM	Notice to Airmen



NPA	Nonprecision Approach
NPN	National Plan for Navigation
ns	Nanosecond
NSF	National Science Foundation
NSWC	Naval Surface Weapons Center
NTIA	National Telecommunications and Information Administration
O&M	Operation & Maintenance
OAB	Operational Advisory Broadcast
OASD/C <sup>3</sup> I	Office of the Assistant Secretary of Defense for Command, Control, Communications and Intelligence
OC	Obstruction Clearance
OCS	Operational Control Segment
OCST	Office of Commercial Space Transportation
OMB	Office of Management and Budget
Omega	Ground-based VLF Navigation System (not an acronym)
ONSCEN	Omega Navigation System Center
OPS/QTV	Operations/Qualification Test Vehicle
OSD	Office of the Secretary of Defense
OST/B	Assistant Secretary for Budget Programs
OST/C	General Counsel's Office
OST/M	Assistant Secretary for Administration
OST/P	Assistant Secretary for Transportation Policy
OTP	Office of Telecommunications Policy
P-code	Pseudorandom Tracking Code
PAR	Precision Approach Radar
PDOP	Position Dilution of Precision

POS/NAV	Positioning and Navigation
PPS	Precise Positioning Service
PPSPO	Precise Positioning Service Program Office
PRC	Pseudorange Corrections
PRN	Pseudo-Random Noise
PSE	Peculiar Support Equipment
PTTI	Precise Time-Time Interval
PWSA	Ports and Waterways Safety Act
RACON	Radar Transponder Beacon
RAIM	Receiver Autonomous Integrity Monitoring
RBN	Radiobeacon
R&D	Research & Development
RD&D	Research, Development & Demonstration
RDF	Radio Direction Finder
RDSS	Radiodetermination Satellite Service
R&E	Research & Engineering
R,E&D	Research, Engineering & Development
RF	Radio Frequency
RFI	Radio Frequency Interference
RNAV	Area Navigation
RNP	Required Navigation Performance
RRC	Range-Rate Corrections
RSPA	Research and Special Programs Administration
RSS	Root Sum Square
RTA	Required Time-of-Arrival
RTCM	Radio Technical Commission for Maritime Services
RTD	Rapid Transit District

RVP	Reference Vertical Profile
RVPT	Reference Vertical Profile with Time
RVR	Runway Visual Range
SA	Selective Availability
SAM	System Area Monitor
SAFI	Semi-Automatic Flight Inspection
SAR	Search and Rescue
SARPS	Standards and Recommended Practices
SC	Special Committee
SCAT I	Special Category I
SEP	Spherical Error Probable
SHF	Super High Frequency
SLSDC	Saint Lawrence Seaway Development Corporation
SOFIA	Stratospheric Observatory For Infrared Astronomy
SOPS	Space Operation Squadron
SPS	Standard Positioning Service
ST	Supplemental Type Certification
STOL	Short Take-Off and Landing
STS	Satellite Test System
SV	Space Vehicle
TACAN	Tactical Air Navigation
TC	Type Certification
TCV	Terminal Configured Vehicle
TD	Time Difference
TDRSS	Tracking and Data Relay Satellite System
TDSS	Time Difference Survey System
TERPS	Terminal Instrument Procedures

TIP	Transit Improvement Program
TIWG	Test Integration Working Group
TMC	Traffic Management Center
TOA	Time of Arrival
TOC	Traffic Operations Center
TONS	TDRSS Onboard Navigation System
TOT	Time of Transmission
Transit	Satellite-based Navigation System (not an acronym)
TravTek	Travel Technology
TRSB	Time Referenced Scanning Beam
TSO	Technical Standard Order
TT&C	Telemetry Tracking and Control
TVOR	Terminal VOR
UE	User Equipment
UHF	Ultra High Frequency
URE	User Range Error
USAF	United States Air Force
U.S.C.	United States Code
USCG	United States Coast Guard
USDA	United States Department of Agriculture
USD/A&T	Under Secretary of Defense for Acquisition and Technology
USGS	United States Geological Survey
USNO	United States Naval Observatory
USNOF	US NOTAM Office at FAA Headquarters
UTC	Coordinated Universal Time
VFR	Visual Flight Rules

VHF	Very High Frequency
VLBI	Very Long Baseline Interferometry
VLF	Very Low Frequency
VMS	Variable Message Sign
VNAV	Vertical Navigation
VOR	Very High Frequency Omnidirectional Range
VORTAC	Collocated VOR and TACAN
VSOPVLBI	Space Observatory Program
VTOL	Vertical Take-Off and Landing
VTs	Vessel Traffic Services
WAAS	Wide Area Augmentation System
WADGPS	Wide Area Differential GPS
WGS	World Geodetic System
WRC	World Radio Conference
WIM	Weigh-in-Motion
WMS	Wide Area Master Stations
WRS	Wide Area Reference Stations

